

Claims

[c1] What is claimed is:

1.A projection lens set shifting apparatus, comprising:
a gear train, having an output shaft, said output shaft being connected to an eccentric wheel, a notch being opened at the circumference of said eccentric wheel;
an adjusting shaft, an eccentric pin being disposed at one end thereof, said eccentric pin being accepted in said notch to allow said adjusting shaft and said gear train to be combined together; and
a projection lens set, connected to said adjusting shaft to be allowed to move with said adjusting shaft relatively.

[c2] 2.The projection lens set shifting apparatus according to claim 1, wherein said gear train is a reduction gear train.

[c3] 3.The projection lens set shifting apparatus according to claim 2, wherein said gear train is composed of a plurality of spur gears.

[c4] 4.The projection lens set shifting apparatus according to claim 1, wherein a gap exists between said notch and said eccentric pin.

- [c5] 5.The projection lens set shifting apparatus according to claim 1, wherein said adjusting shaft is parallel to a screen.
- [c6] 6.The projection lens set shifting apparatus according to claim 1, wherein a screwed section is disposed at one end of said adjusting shaft, and a sliding seat is screwed thereon, a locking element is disposed on said sliding seat, said projection lens set is locked with said locking element.
- [c7] 7.The projection lens set shifting apparatus according to claim 1, wherein said gear train further comprises an input shaft, the location of said input shaft is disposed through the arrangement of gears.